A.D. 1860, 20th April. N° 995.

SPECIFICATION

OF

WILLIAM LUKYN.

TEETH.

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A.D. 1860, *20th April.* N° 995.

Teeth.

LETTERS PATENT to William Lukyn (the elder), of Broad Street and of Radford House, Ilkestone Road, Nottingham, Dentist, for the Invention of "A Method of Attaching Artificial or Natural Teeth on Expanded or Contracted Frames."

Sealed the 17th October 1860, and dated the 20th April 1860.

PROVISIONAL SPECIFICATION left by the said William Lukyn at the Office of the Commissioners of Patents, with his Petition, on the 20th April 1860.

I, William Lukyn (the elder), of Broad Street, and of Radford House, Ilkestone Road, Nottingham, Dentist, do hereby declare the nature of the said Invention for "A Method of Attaching Artificial or Natural Teeth on Expanded or Contracted Frames," to be as follows:—

I take my model in the usual way, and attach such teeth as may be best adapted to the case on the frame, expanded over the teeth to the gum; this forms a base on which to attach the whole of the front teeth, to cover forbidding teeth, and the frame (if necessary) is continued to the back molars to supply deficiencies; this I call an expanded frame. The contracted frame is placed within side of the upper teeth when they considerably project, and

teeth are mounted on the frames at the back of the protruded teeth to take the pressure off the gums in mastication.

I claim the novelty of Invention in covering the whole of the front teeth.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed by the said William Lukyn in the Great Seal Patent Office on the 20th October 1860.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, William Lukyn (the elder), of Broad Street, and of Radford House, Ilkestone Road, in the Town and County of the Town of Nottingham, Dentist, send greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Twentieth day of April, in the year of our Lord One thousand eight hundred and sixty, in the twenty-third year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said William Lukyn (the elder), Her special licence that I, the said William Lukyn (the elder), my executors, administrators, and assigns, or such others as I, the said William Lukyn (the elder), my executors, administrators and assigns, should at any time agree with, and no others, from time to time and at all times thereafter during the term therein expressed, should and lawfully might make, use, exercise, and vend, within the United Kingdom of Great Britain and Ireland, the Channel Islands, and Isle of Man, an Invention for "A Method of Attaching Artificial or Natural Teeth on Expanded or Contracted Frames," upon the condition (amongst others) that I, the said William Lukyn (the elder), my executors or administrators, by an instrument in writing under my, or their, or one of their hands and seals, should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be performed, and cause the same to be filed in the Great Seal Patent Office within six calendar months next and immediately after the date of the said Letters Patent.

NOW KNOW YE, that I, the said William Lukyn (the elder), do hereby declare the nature of my said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement that is to say:—

The nature of my said Invention is to hide from view forbidding or other teeth in the human subject, which may have arisen from natural formation,

disease, accident, irregularity, contraction, or other causes, and to supply all the deficiencies of the teeth on the same frame or frames, without in most cases requiring any operation whatever upon the teeth.

The manner the same is effected is as follows:—I take my model in the usual way, and cast it in plaster of Paris. On the plaster model I form my frame for the upper or lower teeth, which is expanded over the teeth which are to be covered or are deficient, and that in the front or at the sides of the mouth, and pass it to or upon the gum, allowing the natural teeth that are standing to pass through the frame at the back of the teeth that are to be attached to the frame. This is an expanded frame, on which the whole of the front and side teeth can be mounted, and would stand before and hide from view the natural teeth in the mouth, or upon the frame being extended to the back of the mouth, all deficiency of the teeth may be added for mastication, and those in front of the mouth.

To keep the frame firm in the mouth, the usual method of dentists can be resorted to, by attaching claws and other well-known appliances. Where the front teeth are only to be supplied, and all the natural teeth are standing, the modelling and formation of the frame is upon the same principle, but the connection of the back and front of the frame is by thin plates or wires passing between the teeth and secured to the frame; or a plate or bar or other substance used in dentistry may have attached to it artificial teeth, which are secured to the plate or other substance used in dentistry by the pins attached to such artificial teeth; but to secure the frame in the mouth thin plates may be passed between the teeth, which, where necessary, are to be separated in the usual way, and wires are attached to the frame to clasp the necks of the back of the teeth, instead of the front as now in use; but these all constitute an expanded frame by passing over the front teeth, and supplying all their deficiencies on the same frame.

Having set forth part of my Invention, and in what way the same is to be performed, I proceed to describe the contracted frame, and in what way the same is to be performed. In cases through accident, malformation, or irrational use of the front teeth, they in some cases considerably project beyond the lower teeth, and cause much inconvenience by the pressure of the lower teeth upon the gum in mastication and the substances taken into the mouth. In these cases I take my model in the usual way, and form my frame as now used for artificial teeth. On the gum or palate of the frame, I attach front teeth at the back of the natural teeth, and mount as many teeth on the frame as may be best suited to the case, to raise the bite from the gum, and which effects a pressure upon the fangs, and albeolar process to incline the

body of the protruding teeth inwards, which may be materially assisted by the patient pressing the surface of the teeth to the arch required.

Having now described the nature of my Invention, and in what manner the same is to be performed, I wish it to be understood, I do not claim as my Invention the adaptation of frames passing over the gums, or of teeth let through the frames, or of artificial teeth being placed over natural teeth, that stand out of the natural arch of the mouth, or of plates or wires passed between the teeth; but I claim the Invention of covering with artificial teeth the whole, including the bicuspids or part of the teeth in the front of the mouth, and supplying all their deficiencies and continuing the same frame or frames where required to the back of the mouth for the purpose of mastication, and attaching all deficiences of the front teeth on the same frame.

In witness whereof, I, the said William Lukyn (the elder), have hereunto set my hand and seal, this Nineteenth day of October, in the year of our Lord One thousand eight hundred and sixty.

WILLIAM LUKYN. (L.S.)

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